

INTERNATIONAL SEARCH REPORT

Patent Application No
PCT/IB 03/05131

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04S1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04S G08B G09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 987 142 A (COURNEAU MAITE ET AL) 16 November 1999 (1999-11-16) column 1, line 17 -column 1, line 52 column 2, line 13 -column 4, line 63 claim 1; figures 1,2 ---	1-11
A	DE 861 305 C (ATLAS WERKE AG) 13 May 1954 (1954-05-13) page 2, left-hand column, line 6 -page 2, right-hand column, line 84 claims 1-4; figure 1 ---	1-11
A	US 6 173 061 B1 (KISSEL TIMO ET AL) 9 January 2001 (2001-01-09) column 3, line 24 -column 4, line 8 column 5, line 1 -column 5, line 55 claim 1; figures 1-4 --- -/--	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

24 March 2004

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02/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 230 047 B1 (MCHUGH DAVID) 8 May 2001 (2001-05-08) cited in the application column 4, line 38 -column 7, line 11 -----	1-11

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Information on patent family members

Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5987142	A	16-11-1999	FR 2744871 A1 14-08-1997
			CA 2197166 A1 14-08-1997
			DE 69727328 D1 04-03-2004
			EP 0790753 A1 20-08-1997
			JP 10042399 A 13-02-1998
DE 861305	C	13-05-1954	NONE
US 6173061	B1	09-01-2001	US 6611603 B1 26-08-2003
US 6230047	B1	08-05-2001	NONE